United States Department of Agriculture
National Agricultural Statistics Service
Michigan Field Office
Cooperating with Michigan Department of Agriculture and
Michigan State University Cooperative Extension Service

Michigan Crop Weather

MI-CW2610 June 28, 2010

Warm, Wet Weather Continues

Four days were suitable for fieldwork during the week ending June 27, according to the USDA, NASS, Michigan Field Office. Precipitation varied from 1.10 inches in the central Lower Peninsula to 2.89 inches in the western Upper Peninsula. Average temperatures were 4 to 5 degrees above normal across most of the state. Strong thunderstorms and wet conditions continued, making drying hay and applying pesticides almost impossible in some regions. There were reports of tornadoes in the southeast Lower Peninsula. Crop conditions varied from drown out to excellent in the southwest Lower Peninsula. "Save the rain for August,' one reporter commented. In contrast, another reporter in the west central Lower Peninsula stated, "Sunday's rain was much appreciated. Soil moisture was about to reach the critical point for these lush, fast growing crops this year." Where conditions allowed, activities for the week included, hay harvesting, and weed spraying.

Field Crops

Consistent rain continued to play a vital role for field crop development during the week. While rain improved **alfalfa** conditions in the U.P., it continued to cause problems to fields in the rest of the state. Poor quality and late harvest were a result of the wet conditions. Farmers struggled to find a window to harvest. **Wheat** had lay down due to high winds in some areas. White mold and head scab were reported as the crop started to dry down. **Potato** late blight was confirmed in St. Joseph County as a result of wet conditions. **Oats** were headed and reported to be looking good with some lodging. **Sugarbeets** continued to look good yet some acres had water damage. **Corn** had great growth during the week. Many fields had standing water in spots, which has made it difficult to apply herbicides and pesticides. Some late planted **soybeans** were weedy, and wet conditions were causing many acres to drown out or have inhibited growth. Early planted acres looked much better. **Drybean** planting progressed well. Early planted fields have emerged. There was a concern of root rot due to wet soils.

Fruit

High winds in the Grand Rapids area on Monday, June 21, may have caused damage to small fruits. The soils in the southeast have dried while most other areas around the state have had some rain. **Apples** ranged from fruit size 30 to 31 mm in the northwest to 2 inches in the southwest. In the southeast, many varieties were showing finish problems due to the frost/freeze injury. Obliquebanded leafroller numbers remained high in the southwest and northwest. **Peaches** ranged from fruit size 1and 5/8 inches in the southeast to 2 inches in the southwest. European **plums** were 23 mm in the northwest and 1 inch diameter in the southeast. **Strawberry** harvest began in the northwest while harvest has ended in the southeast and southwest. **Sweet cherries** were at 19 to 22 mm diameter in the northwest and fruit harvest has begun in the southwest, southeast, and west central areas. Fruit cracking has aided the spread of brown rot in the northwest. **Tart cherries** were 18 mm in the northwest; cherries were colored in the southwest, where ethephon was applied in preparation for harvest. **Pears** ranged from 25 mm diameter in the northwest to 2 inches in diameter in the southwest. **Blueberries** were at fruit size 13 to 14 mm in the southeast; harvest of early varieties has begun in the southwest. Many fields were flooded, making pesticide application difficult. **Grapes** were at 50 percent bloom in the northwest; bloom has ended in the southwest. Summer **raspberries** were forming in the northwest, and harvest was underway in the southwest and southeast.

Vegetables

Warm weather and adequate moisture aided the progression of vegetable crops last week. **Asparagus** harvest neared completion in the asparagus growing area. In the northwest, harvest neared completion. Post harvest herbicides were applied. **Carrots** continued to progress, and fields looked good. Insectides to combat the new aster leafhopper were applied. Harvest of **yellow squash**, **zucchini**, **cucumbers**, **green onions**, **garlic**, **cabbage**, **sweet peas**, **greens**, **snap beans** under tunnels, and **radishes** was ongoing. **Potato** harvest began in the Macomb County area, but were in bloom in the southwest. **Sweet corn** progression continued. Some fields in southwest Michigan were off-color because of nutrient leaching as a result of recent rains. In Oceana County, earliest fields were about three weeks from harvest. Foliar feeds and tassel damage were present in Genesee County. In the southeast, earliest planted fields had tassels and ears. Processing **winter squash** and **pumpkin** stands looked good. Weeds were becoming a problem. Processing **broccoli** planting was underway, and growers were waiting for fields to emerge. There may be some replanting of broccoli in Oceana County. Growers were finishing up plantings of **broccoli**, **Brussel sprouts**, **cauliflower** and cabbage in the Macomb County area. Additionally, **tomatoes**, **peppers**, **eggplant**, **melons**, squash, and pumpkins continued looking good and continued to benefit from the warm, humid temperatures. Tomatoes were setting fruit; some fields had signs of blossom end rot. **Watermelons** were in early bloom while **cantaloupe** had softball sized fruit. Muskmelons were vining out quickly and beginning to fruit. Several species of insect pests were active.

Soil moisture for week ending 06/27/10

Stratum	Very short	Short	Adequate	Surplus
	Percent	*Percent*	*Percent*	*Percent*
Topsoil	0	2	65	33
Subsoil	0	5	75	20

Crop condition for week ending 06/27/10

Crop	Very poor	Poor	Fair	Good	Excellent
	Percent	*Percent*	*Percent*	*Percent*	*Percent*
All Hay	2	9	21	50	18
Barley	1	7	21	55	16
Corn	1	5	16	49	29
Oats	0	5	20	58	17
Pasture	0	5	18	53	24
Winter Wheat	1	4	18	57	20

Crop progress for week ending 06/27/10

Crop	This week	Last week	Last year	5-year average
	Inches	*Inches*	*Inches*	*Inches*
Corn, height	30	20	19	22
	Percent	*Percent*	*Percent*	*Percent*
All hay, first cutting	69	65	74	81
Barley, headed	84	59	NA	NA
Dry beans, planted	94	80	92	93
Dry beans, emerged	80	60	58	64
Oats, headed	88	80	52	69
Soybeans, planted	100	96	98	100
Soybeans, emerged	97	91	96	99
Soybeans, blooming	7	NA	3	2
Strawberries, harvested	69	47	44	63
Winter wheat, headed	99	99	97	99
Winter wheat, turning yellow	80	35	34	62

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Michigan Weather Summary for Week Ending 06/27/10 [1]

Station	Temperature			Cumulative growing degree days [2]			Precipitation					
											Normal	
	Maximum	Minimum	Departure from normal	2010	2009	Normal	This week	Last two weeks	Last four weeks	Since April 1	Since April 1	For month
Ironwood	83	53		796	640		3.05	3.74	6.97	9.88		
Marquette	82	52		765	530		3.05	3.74	6.97	9.88		
Stephenson	88	56		925	697		3.57	5.90	8.70	11.01		
Western UP	88	50	5	801	584	628	2.89	3.68	7.05	9.88	8.93	3.61
Cornell	85	55		861	635		3.15	4.38	7.11	9.88		
Sault St Marie	79	49		798	526		1.29	2.68	5.64	7.90		
Eastern UP	85	49	5	764	533	488	2.40	3.73	7.04	9.48	8.31	3.26
Beulah	84	53		944	760		1.48	2.46	4.05	10.37		
Lake City	84	47		936	730		1.17	2.26	5.65	11.77		
Old Mission	84	50		920	678		1.23	1.97	5.42	10.61		
Pellston	82	45		903	641		3.40	4.47	8.34	11.10		
Northwest	84	45	4	894	678	736	1.54	2.28	5.34	10.30	7.97	3.03
Alpena	78	48		868	663		0.64	1.55	5.02	9.85		
Houghton Lake	82	45		986	717		0.64	1.31	5.11	9.12		
Rogers City	75	50		802	684		2.63	3.85	7.50	12.05		
Northeast	83	45	2	916	694	700	1.39	2.26	6.06	10.40	7.84	2.90
Fremont	84	51		1,082	849		1.18	1.23	2.52	7.18		
Hart	83	53		1,001	785		1.17	3.96	5.11	9.35		
Muskegon	84	51		1,116	885		2.67	2.78	4.52	9.48		
West Central	84	50	4	1,044	830	827	1.67	2.91	4.24	8.98	8.46	2.94
Alma	84	53		1,117	842		1.25	1.64	4.97	12.45		
Big Rapids	85	46		1,031	822		0.78	1.27	3.31	11.54		
Central	85	46	5	1,073	834	881	1.10	1.63	4.12	10.53	8.81	3.36
Bad Axe	85	52		1,017	730		2.80	3.04	8.48	12.61		
Pigeon	84	54		1,026	727		1.96	2.22	4.94	9.58		
Saginaw	86	54		1,176	847		1.99	2.46	4.96	10.06		
Standish	85	49		990	758		2.07	2.60	7.45	13.01		
East Central	86	49	4	1,021	767	858	2.01	2.40	5.90	11.35	7.90	3.08
Fennville	84	56		1,100	901		2.75	4.42	9.44	15.73		
Grand Rapids	87	55		1,227	991		1.63	5.17	8.38	16.17		
Holland	85	55		1,238	1,043		2.16	3.26	8.00	18.10		
South Bend, IN	86	59		1,263	1,086		2.46	3.98	6.72	14.72		
Watervliet	85	55		1,187	978		1.83	3.64	6.62	13.20		
Southwest	88	51	4	1,187	991	944	2.03	3.56	6.53	13.36	9.59	3.55
Belding	84	50		1,087	860		1.33	2.91	6.40	12.81		
Coldwater	86	56		1,250	1,027		1.07	2.08	5.44	12.85		
Lansing	86	55		1,199	908		1.56	1.81	4.65	11.50		
South Central	87	50	4	1,157	932	946	1.64	2.78	5.95	13.17	9.26	3.57
Detroit	87	60		1,303	1,035		1.73	2.13	5.84	12.66		
Flint	87	50		1,193	898		1.30	1.67	3.18	10.64		
Romeo	88	54		1,120	878		1.01	1.23	2.82	10.61		
Tipton	88	55		1,190	968		1.76	2.40	5.50	15.09		
Toledo, OH	92	59		1,337	1,072		1.09	1.39	4.25	13.99		
Southeast	92	50	5	1,205	981	912	1.35	1.74	4.18	12.45	9.05	3.36

[1] Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

[2] Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.